

PATENT
USSN 10/053,758
Docket 002980US; 018/183c

CLAIM AMENDMENTS

1. *(Previously presented)* An isolated monoclonal or recombinant antibody or antigen binding fragment thereof that specifically binds to human telomerase reverse transcriptase (hTRT) protein (SEQ. ID NO:225).
2. *(Previously presented)* An antibody fragment that specifically binds to hTRT protein (SEQ. ID NO:225).
3. *(Original)* The antibody fragment of claim 2, which is an Fab fragment or an F(ab')₂ fragment.
4. *(Previously presented)* The antibody or antigen binding fragment of claim 1, which is a human antibody.
5. *(Previously presented)* The antibody or antigen binding fragment of claim 1, which is a single chain antibody.
6. *(Previously presented)* A composition comprising the antibody or antigen binding fragment of claim 1 and a pharmaceutically acceptable carrier.
7. *(Previously presented)* The antibody or antigen binding fragment of claim 1, having a reporter molecule or label that is covalently or noncovalently bound.
8. *(Previously presented)* The antibody or antigen binding fragment of claim 7, wherein the reporter molecule or label is selected from an enzyme, a fluorescent agent, a chemiluminescent agent, a chromatogenic agent, and a magnetic particle.
9. *(Withdrawn) (Currently amended)* A method of identifying a sample as containing hTRT protein, comprising:
 - a) combining the biological sample with a monoclonal or recombinant antibody or antigen binding fragment thereof that specifically binds hTRT protein (SEQ. ID NO:225), under conditions where the antibody or fragment forms a complex with hTRT protein;
 - b) detecting complex formed as a result of a); and
 - c) identifying the sample as containing hTRT protein (SEQ. ID NO:225) if said antibody : protein complex is detected.
10. *(Withdrawn)* The method of claim 9, which is an enzyme-linked immunosorbant assay method.

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11. *(Withdrawn)* The method of claim 9, which is a radioimmunoassay method.
12. *(Withdrawn)* The method of claim 9, wherein the detecting comprises fluorescent activated cell sorting.
13. *(Withdrawn)* A method of detecting ~~an hTRT polypeptide hTRT protein (SEQ. ID NO:225) or fragment thereof~~ in a biological sample, comprising:
 - a) combining the biological sample with a monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 1, under conditions where an antibody forms a complex with hTRT protein (SEQ. ID NO:225); and
 - b) detecting complex formed between the antibody or antigen binding fragment and the ~~hTRT polypeptide hTRT protein (SEQ. ID NO:225) or a fragment thereof~~.
14. *(Withdrawn)* The method of claim 13, which is an enzyme-linked immunosorbant assay method.
15. *(Withdrawn)* The method of claim 13, which is a radioimmunoassay method.
16. *(Withdrawn)* The method of claim 13, wherein the detecting comprises fluorescent activated cell sorting.

17 to 22. CANCELLED

23. *(Currently amended)* The antibody or antigen binding fragment of claim 1, which specifically binds to a polypeptide consisting of SEQ. ID NO:224, but comprising SEQ. ID NO:225, but with the proviso that it does not bind to a polypeptide consisting of SEQ. ID NO:62 SEQ. ID NO:67.
24. *(Withdrawn)* A method of detecting an hTRT polypeptide in a biological sample, comprising:
 - a) combining the biological sample with a monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 23, under conditions where an antibody forms a complex with hTRT protein (SEQ. ID NO:225); and
 - b) detecting complex formed between the antibody or antigen binding fragment and the hTRT polypeptide.
25. *(Currently amended)* The antibody or antigen binding fragment of claim 1, which specifically binds to a polypeptide consisting of SEQ. ID NO:62 comprising SEQ. ID NO:67.

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26. *(Withdrawn) (Currently amended)* A method of detecting an hTRT polypeptide in a biological sample, comprising:

- combining the biological sample with a monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 25, under conditions where an antibody forms a complex with a polypeptide consisting of SEQ ID NO:62 comprising SEQ ID NO:67; and
- detecting complex formed between the antibody or antigen binding fragment and the hTRT polypeptide.

27. *(New)* A monoclonal antibody specific for hTRT (SEQ. ID NO:225), obtainable by immunizing a non-human animal with SEQ. ID NO:225, and then isolating monoclonal antibody that binds SEQ. ID NO:225 from an antibody-producing cell line generated from the immunized animal.

28. *(New)* A monoclonal antibody specific for the hTRT fragment SEQ. ID NO:67, obtainable by immunizing a non-human animal with SEQ. ID NO:67, and then isolating monoclonal antibody that binds SEQ. ID NO:67 from an antibody-producing cell line generated from the immunized animal.

29. *(New)* A monoclonal antibody according to claim 27, with the proviso that is not a monoclonal antibody according to claim 28.